

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102619\
 Data File : VU035510.D
 Acq On : 26 Oct 2019 11:42
 Operator : JC/SP
 Sample : VSTD00535
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 8:49:58 AM

Quant Time: Oct 30 00:30:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	541358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	522922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	167861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	21064	4.60	ug/L	0.00
7) Chloroethane-d5	1.94	69	17814	4.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	34786	4.58	ug/L	0.00
21) 2-Butanone-d5	4.70	46	24730	8.13	ug/L	0.00
24) Chloroform-d	5.11	84	35343	4.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	22554	4.65	ug/L	0.00
32) Benzene-d6	5.77	84	69375	4.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	22024	4.60	ug/L	0.00
41) Toluene-d8	7.93	98	60071	4.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	9459	3.90	ug/L	0.00
47) 2-Hexanone-d5	8.70	63	12644	6.11	ug/L	0.03
57) 1,1,2,2-Tetrachloroethane-	10.79	84	31594	4.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	18650	4.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	24163	5.398 ug/L	98
3) Chloromethane	1.54	50	25218	5.399 ug/L	99
5) Vinyl chloride	1.62	62	27426	5.689 ug/L #	69
6) Bromomethane	1.88	94	12549	4.593 ug/L	94
8) Chloroethane	1.96	64	16772	5.693 ug/L	92
9) Trichlorofluoromethane	2.16	101	32288	5.412 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	19333	5.570 ug/L	97
12) 1,1-Dichloroethene	2.61	96	17098	5.083 ug/L	97
13) Acetone	2.67	43	30983	11.125 ug/L	97
14) Carbon disulfide	2.83	76	58426	5.464 ug/L	98
15) Methyl Acetate	3.00	43	22254	5.257 ug/L	99
16) Methylene chloride	3.09	84	21749	5.402 ug/L	95
17) trans-1,2-Dichloroethene	3.40	96	17887	4.957 ug/L	95
18) Methyl tert-butyl Ether	3.42	73	53179	4.664 ug/L	99
19) 1,1-Dichloroethane	3.92	63	37710	5.416 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	19905	4.860 ug/L	98
22) 2-Butanone	4.78	43	32966	9.666 ug/L	96
23) Bromochloromethane	5.02	128	10492	5.100 ug/L	98
25) Chloroform	5.14	83	38139	5.358 ug/L	94
27) 1,2-Dichloroethane	5.84	62	29199	5.307 ug/L	97
29) Cyclohexane	5.43	56	27640	4.676 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	29113	5.031 ug/L	98
31) Carbon tetrachloride	5.57	117	25578	5.058 ug/L	99
33) Benzene	5.82	78	78082	5.174 ug/L	100
34) Trichloroethene	6.58	95	20126	5.255 ug/L	96
35) Methylcyclohexane	6.80	83	24694	4.235 ug/L	96
37) 1,2-Dichloropropane	6.84	63	21796	5.540 ug/L	98
38) Bromodichloromethane	7.14	83	26909	5.168 ug/L	96
39) cis-1,3-Dichloropropene	7.65	75	26607	4.231 ug/L	98
40) 4-Methyl-2-pentanone	7.85	43	55601	9.639 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	76955	4.695	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	27117	4.641	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	20377	5.314	ug/L	96
46) Tetrachloroethene	8.58	164	15526	5.036	ug/L	98
48) 2-Hexanone	8.75	43	53598m	10.977	ug/L	
49) Dibromochloromethane	8.84	129	20183	4.743	ug/L	94
50) 1,2-Dibromoethane	8.96	107	19723	4.688	ug/L #	98
51) Chlorobenzene	9.48	112	52219	4.903	ug/L	97
52) Ethylbenzene	9.60	91	77604	4.277	ug/L	100
53) m,p-Xylene	9.73	106	28199	4.188	ug/L	96
54) o-xylene	10.13	106	26663	4.024	ug/L	97
55) Styrene	10.15	104	40072	3.712	ug/L	99
56) Isopropylbenzene	10.51	105	65801	3.859	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	34742	5.186	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	27779	5.222	ug/L	98
61) Bromoform	10.32	173	15714	6.526	ug/L	96
62) 1,3-Dichlorobenzene	11.78	146	28942	5.310	ug/L	97
63) 1,4-Dichlorobenzene	11.87	146	31034	5.678	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	31163	5.723	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	4873	5.634	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	13779	4.618	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	7763	3.994	ug/L	96
69) Naphthalene	14.11	128	17835	3.316	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	8377	4.164	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

